

IN THE CLAIMS:

Claim 1. (Currently Amended) A color display driving apparatus in a portable mobile telephone with a color display unit, comprising:
means for independently receiving YUV and RGB data in digital format;
a first memory for storing YUV data;
a second memory for storing RGB data;
a timing signal generator for generating a timing signal for alternatively obtaining access to the first and second memories, and for providing the generated timing signal to the first and second memories;

a YUV-RGB converter for converting YUV data read from the first memory to RGB data;
an on-screen-display (OSD) controller for writing the YUV data and the RGB data in the first and second memories, respectively, mixing the RGB data converted from the YUV data stored in the first memory by the YUV-RGB converter with the RGB data read from the second memory, and on-screen displaying the mixed data on the color display unit.

Claim 2. (Original) The color display driving apparatus as claimed in claim 1, further comprising a display format converter for converting the YUV data read from the first memory to a format compatible with the color display unit, and providing the converted data to the YUV-RGB converter.

Claim 3. (Original) The color display driving apparatus as claimed in claim 1, wherein the OSD controller comprises:
a timing signal generator for generating a timing signal for alternately enabling the first and second memories for a write operation and a read operation, and providing the generated timing signal to the first and second memories; and
an OSD mixer for mixing the RGB data output from the YUV-RGB converter with the RGB data output from the second memory.

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Claim 4. (Currently Amended) A method of simultaneously displaying on an on-screen-display (OSD) of an RGB format color image and a YUV format color image, said OSD being a color display unit in a portable mobile telephone, the method comprising the steps of:

storing YUV data in a first memory;

storing RGB data in a second memory;

generating a timing signal for alternatively obtaining access to the first and second memories and providing the generated timing signal to the first and second memories;

converting said YUV data stored in the first memory to digital RGB data;

mixing the converted RGB data and the RGB data from the second memory in an OSD mixer of an OSD controller; and

displaying said mixed data on the color display unit.

Claim 5. (Previously Added) The method of Claim 4, further comprising steps of:

receiving YUV data in a first latch;

receiving digital RGB data in a second latch;

converting the YUV data from the first memory to a format compatible with the color display unit; and

generating a timing signal in a timing signal generator of the OSD controller, said timing signal alternately enabling a write operation and a read operation of the first and second memories.